```
3121  actacagggc  accgactcat  tggtcactca  tctgctgaat  gtatcctctc  aggcaatact
3181  gcccattgga  gcacgaagcc  gccaatttgt  caacgaattc  cttgtgggct  acccccaacc
3241  atcgccaatg  gagatttcat  tagcaccaac  agagagaatt  ttcactatgg  atcagtggtg
3301  acctaccgct  gcaatcttgg  aagcagaggg  agaaaggtgt  ttgagcttgt  gggtgagccc
3361  tccatatact  gcaccagcaa  tgacgatcaa  gtgggcatct  ggagcggccc  cgcccctcag
3421  tgcattatac  ctaacaaatg  cacgcctcca  aatgtggaaa  atggaatatt  ggtatctgac
3481  aacagaagct  tattttcctt  aaatgaagtt  gtggagttta  ggtgtcagcc  tggctttgtc
3541  atgaaaggac  cccgccgtgt  gaagtgccag  gccctgaaca  aatgggagcc  agagttacca
3601  agctgctcca  gggtgtgtca  gccgcctcca  gaaatcctgc  atggtgagca  taccccaagc
3661  catcaggaca  acttttcacc  tgggcaggaa  gtgttctaca  gctgtgagcc  tggctatgac
3721  ctcagagggg  ctgcgtctct  gcactgcaca  ccccagggag  actggagccc  tgaagccccg
3781  agatgtgcag  tgaaatcctg  tgatgacttc  ttgggtcaac  tccctcatgg  ccgtgtgcta
3841  tttccactta  atctccagct  tggggcaaag  gtgtcctttg  tctgtgatga  agggtttcgc
3901  ttaaagggca  gttccgttag  tcattgtgtc  ttggttggaa  tgagaagcct  ttggaataac
3961  agtgttcctg  tgtgtgaaca  tatcttttgt  ccaaatcctc  cagctatcct  taatgggaga
4021  cacacaggaa  ctccctctgg  agatattccc  tatggaaaag  aaatatctta  cacatgtgac
4081  ccccacccag  acagagggat  gaccttcaac  ctcattgggg  agagcaccat  ccgctgcaca
4141  agtgaccctc  atgggaatgg  ggtttggagc  agccctgccc  ctcgctgtga  actttctgtt
4201  cgtgctggtc  actgtaaaac  cccagagcag  tttccatttg  ccagtcctac  gatcccaatt
4261  aatgactttg  agtttccagt  cgggacatct  ttgaattatg  aatgccgtcc  tgggtatttt
4321  gggaaaatgt  tctctatctc  ctgcctagaa  aacttggtct  ggtcaagtgt  tgaagacaac
4381  tgtagacgaa  aatcatgtgg  acctccacca  gaacccttca  atggaatggt  gcatataaac
4441  acagatacac  agtttggatc  aacagttaat  tattcttgta  atgaagggtt  tcgactcatt
4501  ggttccccat  ctactacttg  tctcgtctca  ggcaataatg  tcacatggga  taagaaggca
4561  cctatttgtg  agatcatatc  ttgtgagcca  cctccaacca  tatccaatgg  agacttctac
4621  agcaacaata  gaacatcttt  tcacaatgga  acggtggtaa  cttaccagtg  ccacactgga
4681  ccagatggag  aacagctgtt  tgagcttgtg  ggagaacggt  caatatattg  caccagcaaa
4741  gatgatcaag  ttggtgtttg  gagcagccct  cccctcggt  gtatttctac  taataaatgc
4801  acagctccag  aagttgaaaa  tgcaattaga  gtaccaggaa  acaggagttt  cttttccctc
4861  actgagatca  tcagatttag  atgtcagccc  gggtttgtca  tggtagggtc  ccacactgtg
4921  cagtgccaga  ccaatggcag  atggggggccc  aagctgccac  actgctccag  ggtgtgtcag
4981  ccgcctccag  aaatcctgca  tggtgagcat  accctaagcc  atcaggacaa  cttttcacct
5041  gggcaggaag  tgttctacag  ctgtgagccc  agctatgacc  tcagaggggc  tgcgtctctg
5101  cactgcacgc  cccagggaga  ctggagccct  gaagcccta  gatgtacagt  gaaatcctgt
5161  gatgacttcc  tgggccaact  ccctcatggc  cgtgtgctac  ttccacttaa  tctccagctt
5221  ggggcaaagg  tgtcctttgt  ttgcgatgaa  gggttccgat  taaaaggcag  gtctgctagt
5281  cattgtgtct  tggctggaat  gaaagccctt  tggaatagca  gtgttccagt  gtgtgaacaa
5341  atcttttgtc  caaatcctcc  agctatcctt  aatgggagac  acacaggaac  tccctttgga
5401  gatattccct  atggaaaaga  aatatcttac  gcatgcgaca  cccacccaga  cagagggatg
5461  accttcaacc  tcattgggga  gagctccatc  cgctgcacaa  gtgaccctca  agggaatggg
5521  gtttggagca  gccctgcccc  tcgctgtgaa  ctttctgttc  ctgctgcctg  cccacatcca
5581  cccaagatcc  aaaacgggca  ttacattgga  ggacacgtat  ctctatatct  tcctgggatg
5641  acaatcagct  acacttgtga  ccccggctac  ctgttagtgg  gaaagggctt  cattttctgt
5701  acagaccagg  gaatctggag  ccaattggat  cattattgca  aagaagtaaa  ttgtagcttc
5761  ccactgttta  tgaatggaat  ctcgaaggag  ttagaaatga  aaaaagtata  tcactatgga
5821  gattatgtga  ctttgaagtg  tgaagatggg  tatactctgg  aaggcagtcc  ctggagccag
5881  tgccaggcgg  atgacagatg  ggaccctcct  ctggccaaat  gtacctctcg  tgcacatgat
5941  gctctcatag  ttggcacttt  atctggtacg  atcttcttta  ttttactcat  catttttcctc
6001  tcttggataa  ttctaaagca  cagaaaaggc  aataatgcac  atgaaaaccc  taaagaagtg
6061  gctatccatt  tacattctca  aggaggcagc  agcgttcatc  cccgaactct  gcaaacaaat
6121  gaagaaaata  gcagggtcct  tccttgacaa  agtactatac  agctgaagaa  catctcgaat
6181  acaattttgg  tgggaaagga  gccaattgat  ttcaacagaa  tcagatctga  gcttcataaa
6241  gtctttgaag  tgacttcaca  gagacgcaga  catgtgcact  tgaagatgct  gcccttccc
6301  tggtacctag  caaagctcct  gcctctttgt  gtgcgtcact  gtgaaacccc  cacccttctg
6361  cctcgtgcta  aacgcacaca  gtatctagtc  aggggaaaag  actgcattta  ggagatagaa
6421  aatagtttgg  attacttaaa  ggaataaggt  gttgcctgga  atttctggtt  tgtaaggtgg
```

Fig. 3 (Cont.)

```
6481 tcactgttct tttttaaaat atttgtaata tggaatgggc tcagtaagaa gagcttggaa
6541 aatgcagaaa gttatgaaaa ataagtcact tataattatg ctacctactg ataaccactc
6601 ctaatatttt gattcatttt ctgcctatct tctttcacat atgtgttttt ttacatacgt
6661 acttttcccc ccttagtttg tttccttta ttttatagag cagaaccta gtcttttaaa
6721 cagtttagag tgaaatatat gctatatcag tttttacttt ctctagggag aaaaattaat
6781 ttactagaaa ggcatgaaat gatcatggga agagtggtta agactactga agagaaatat
6841 ttggaaaata agatttcgat atcttctttt tttttgagat ggagtctggc tctgtctccc
6901 aggctggagt gcagtggcgt aatctcggct cactgcaacg tccgcctccc g
```

Fig. 3 (Cont.)

Fig. 4A

SEQ. ID NO:5

```
MEPPGRRECPFPSWRFPGLLLLAAMVLLLYSFSDACEEPPTFEAMELIGKP    50
KPYYEIGERVDYKCKKGYFYIPPLATHTICDRNHTWLPVSDDACYRETCP     100
YIRDPLNGQAVPANGTYEFGYQMHFICNEGYYLIGEEILYCELKGSVAIW     150
SGKPPICEKVLCTPPPKIKNGKHTFSEVEVFEYLDAVTYSCDPAPGPDPF     200
SLIGESTIYCGDNSVWSRAAPECKVVKCRFPVVENGKQISGFGKKFYYKA     250
TVMFECDKGFYLDGSDTIVCDSNSTWDPPVPKCLKVSTSSTTKSPASSAS     300
GPRPTYKPPVSNYPGYPKPEEGILDSLDVWVIAVIVIAIVVGVAVICVVP     350
YRYLQRRKKKGKADGGAEYATYQTKSTTPAEQRG
```

Fig. 4B

SEQ. ID NO:6

```
   1 tctgctttcc tccggagaaa taacagcgtc ttccgcgccg cgcatggagc ctcccggccg
  61 ccgcgagtgt ccctttcctt cctggcgctt tcctgggttg cttctggcgg ccatggtgtt
 121 gctgctgtac tccttctccg atgcctgtga ggagccacca acatttgaag ctatggagct
 181 cattggtaaa ccaaaaccct actatgagat tggtgaacga gtagattata agtgtaaaaa
 241 aggatacttc tatatacctc ctcttgccac ccatactatt tgtgatcgga atcatacatg
 301 gctacctgtc tcagatgacg cctgttatag agaaacatgt ccatatatac gggatccttt
 361 aaatggccaa gcagtccctg caaatgggac ttacgagttt ggttatcaga tgcactttat
 421 ttgtaatgag ggttattact taattggtga agaaattcta tattgtgaac ttaaaggatc
 481 agtagcaatt tggagcggta gcccccaat atgtgaaaag gttttgtgta caccacctcc
 541 aaaaataaaa aatggaaaac acacctttag tgaagtagaa gtatttgagt atcttgatgc
 601 agtaacttat agttgtgatc ctgcacctgg accagatcca ttttcactta ttggagagag
 661 cacgatttat tgtggtgaca attcagtgtg gagtcgtgct gctccagagt gtaaagtggt
 721 caaatgtcga tttccagtag tcgaaaatgg aaaacagata tcaggatttg gaaaaaaatt
 781 ttactacaaa gcaacagtta tgtttgaatg cgataagggt ttttacctcg atggcagcga
 841 cacaattgtc tgtgacagta cagtacttg ggatccccca gttccaaagt gtcttaaagt
 901 gtcgacttct tccactacaa aatctccagc gtccagtgcc tcaggtccta ggcctactta
 961 caagcctcca gtctcaaatt atccaggata tcctaaacct gaggaaggaa tacttgacag
1021 tttggatgtt tgggtcattg ctgtgattgt tattgccata gttgttggag ttgcagtaat
1081 ttgtgttgtc ccgtacagat atcttcaaag gaggaagaag aaagggaaag cagatggtgg
1141 agctgaatat gccacttacc agactaaatc aaccactcca gcagagcaga gaggctgaat
1201 agattccaca acctggtttg ccagttcatc ttttgactct attaaaatct tcaatagttg
1261 ttattctgta gtttcactct catgagtgca actgtggctt agctaatatt gcaatgtggc
1321 ttgaatgtag gtagcatcct ttgatgcttc tttgaaactt gtatgaattt gggtatgaac
1381 agattgcctg ctttccctta ataacactt agatttattg gaccagtcag cacagcatgc
1441 ctggttgtat taaagcaggg atatgctgta ttttataaaa ttggcaaaat tagagaaata
1501 tagttcacaa tgaaattata ttttctttgt
```

```
I  G  E  S  T  I  R  C  T  S  D  P  Q  G  N  G  V  W  S  S
P  A  P  R  C  G  I  H  H  H  H  H  H
```

Fig. 8A (Cont.)

Fig. 8B

SEQ. ID NO: 14

```
                                   ATGACCGTCGCGCGGCCGAGCGTGCCCGCGGCGCTGCCC
CTCCTCGGGGAGCTGCCCCGGCTGCTGCTGCTGGTGCTGTTGTGCCTGCCGGCCGTGTGGGGT
GACTGTGGCCTTCCCCCAGATGTACCTAATGCCCAGCCAGCTTTGGAAGGCCGTACAAGTTTT
CCCGAGGATACTGTAATAACGTACAAATGTGAAGAAAGCTTTGTGAAAATTCCTGGCGAGAAG
GACTCAGTGATCTGCCTTAAGGGCAGTCAATGGTCAGATATTGAAGAGTTCTGCAATCGTAGC
TGCGAGGTGCCAACAAGGCTAAATTCTGCATCCCTCAAACAGCCTTATATCACTCAGAATTAT
TTTCCAGTCGGTACTGTTGTGGAATATGAGTGCCGTCCAGGTTACAGAAGAGAACCTTCTCTA
TCACCAAAACTAACTTGCCTTCAGAATTTAAAATGGTCCACAGCAGTCGAATTTTGTAAAAAG
AAATCATGCCCTAATCCGGGAGAAATACGAAATGGTCAGATTGATGTACCAGGTGGCATATTA
TTTGGTGCAACCATCTCCTTCTCATGTAACACAGGGTACAAATTATTTGGCTCGACTTCTAGT
TTTTGTCTTATTTCAGGCAGCTCTGTCCAGTGGAGTGACCCGTTGCCAGAGTGCAGAGAAATT
TATTGTCCAGCACCACCACAAATTGACAATGGAATAATTCAAGGGGAACGTGACCATTATGGA
TATAGACAGTCTGTAACGTATGCATGTAATAAAGGATTCACCATGATTGGAGAGCACTCTATT
TATTGTACTGTGAATAATGATGAAGGAGAGTGGAGTGGCCCACCACCTGAATG̲C̲
T̲C̲GAGTCCTAACAAATGCACGCCTCCAAATGTGGAAAATGGAATATTGGTATCTGACAAC
AGAAGCTTATTTTCCTTAAATGAAGTTGTGGAGTTTAGGTGTCAGCCTGGCTTTGTCATG
AAAGGACCCCGCCGTGTGAAGTGCCAGGCCCTGAACAAATGGGAGCCGGAGCTACCAAGC
TGCTCCAGGGTATGTCAGCCACCTCCAGATGTCCTGCATGCTGAGCGTACCCAAAGGGAC
AAGGACAACTTTTCACCTGGGCAGGAAGTGTTCTACAGCTGTGAGCCCGGCTACGACCTC
AGAGGGGCTGCGTCTATGCGCTGCACACCCCAGGGAGACTGGAGCCCTGCAGCCCCCACA
TGTGAAGTGAAATCCTGTGATGACTTCATGGGCCAACTTCTTAATGGCCGTGTGCTATTT
CCAGTAAATCTCCAGCTTGGAGCAAAAGTGGATTTTGTTTGTGATGAAGGATTTCAATTA
AAAGGCAGCTCTGCTAGTTACTGTGTCTTGGCTGGAATGGAAAGCCTTTGGAATAGCAGT
GTTCCAGTGTGTGAACAAATCTTTTGTCCAAGTCCTCCAGTTATTCCTAATGGGAGACAC
ACAGGAAAACCTCTGGAAGTCTTTCCCTTTGGAAAAGCAGTAAATTACACATGCGACCCC
CACCCAGACAGAGGGACGAGCTTCGACCTCATTGGAGAGAGCACCATCCGCTGCACAAGT
GACCCTCAAGGGAATGGGGTTTGGAGCAGCCCTGCCCCTCGCTGTGG̲A̲A̲T̲T̲C̲TGGGTCAC
TGTCAAGCCCCAGATCATTTTCTGTTTGCCAAGTTGAAAACCCAAACC̲A̲A̲T̲G̲C̲A̲T̲CTGAC
TTTCCCATTGGGACATCTTTAAAGTACGAATGCCGTCCTGAGTACTACGGGAGGCCATTC
TCTATCACATGTCTAGATAACCTGGTCTGGTCAAGTCCCAAAGATGTCTGTAAACGTAAA
TCATGTAAAACTCCTCCAGATCCAGTGAATGGCATGGTGCATGTGATCACAGACATCCAG
GTT̲G̲G̲A̲T̲C̲C̲AGAATCAACTATTCTTGTACTACAGGGCACCGACTCATTGGTCACTCATCT
GCTGAATGTATCCTCTCGGGCAATGCTGCCCATTGGAGCACGAAGCCGCCAATTTGTCAA
CGAATTCCTTGTGGGCTACCCCCCACCATCGCCAATGGAGATTTCATTAGCACCAACAGA
GAGAATTTTCACTATGGATCAGTGGTGACCTACCGCTGCAATCCTGGAAGCGGAGGGAGA
AAGGTGTTTGAGCTTGTGGGTGAGCCCTCCATATACTGCACCAGCAATGACGATCAAGTG
GGCATCTGGAGCGGCCCGGCCCCTCAGTGCATTATACCTAACAAATGCACGCCTCCAAAT
GTGGAAAATGGAATATTGGTATCTGACAACAGAAGCTTATTTTCCTTAAATGAAGTTGTG
GAGTTTAGGTGTCAGCCTGGCTTTGTCATGAAAGGACCCCGCCGTGTGAAGTGCCAGGCC
CTGAACAAATGGGAGCCGGAGCTACCAAGCTGCTCCAGGGTATGTCAGCCACCTCCAGAT
GTCCTGCATGCTGAGCGTACCCAAAGGGACAAGGACAACTTTTCACCCGGGCAGGAAGTG
TTCTACAGCTGTGAGCCCGGCTATGACCTCAGAGGGGCTGCGTCTATGCGCTGCACACCC
CAGGGAGACTGGAGCCCTGCAGCCCCCACATGTGAAGTGAAATCCTGTGATGACTTCATG
GGCCAACTTCTTAATGGCCGTGTGCTATTTCCAGTAAATCTCCAGCTTGGAGCAAAAGTG
```

GATTTTGTTTGTGATGAAGGATTTCAATTAAAAGGCAGCTCTGCTAGTTATTGTGTCTTG
GCTGGAATGGAAAGCCTTTGGAATAGCAGTGTTCCAGTGTGTGAACAAATCTTTTGTCCA
AGTCCTCCAGTTATTCCTAATGGGAGACACACAGGAAAACCTCTGGAAGTCTTTCCCTTT
GGAAAAGCAGTAAATTACACATGCGACCCCCACCCAGACAGAGGGACGAGCTTCGACCTC
ATTGGAGAGAGCACCATCCGCTGCACAAGTGACCCTCAAGGGAATGGGGTTTGGAGCAGC
CCTGCCCCTCGCTGTG<u>GAATTC</u>ATCACCATCACCATCACTAAA<u>GATCT</u>

Fig. 8B (Cont.)

Fig. 9A
SEQ ID NO:15

```
                              M  T  V  A  R  P  S  V  P  A  A  L  P
        L  L  G  E  L  P  R  L  L  L  L  V  L  L  C  L  P  A  V  W  G
     D  C  G  L  P  P  D  V  P  N  A  Q  P  A  L  E  G  R  T  S  F
     P  E  D  T  V  I  T  Y  K  C  E  E  S  F  V  K  I  P  G  E  K
     D  S  V  I  C  L  K  G  S  Q  W  S  D  I  E  E  F  C  N  R  S
     C  E  V  P  T  R  L  N  S  A  S  L  K  Q  P  Y  I  T  Q  N  Y
     F  P  V  G  T  V  V  E  Y  E  C  R  P  G  Y  R  R  E  P  S  L
     S  P  K  L  T  C  L  Q  N  L  K  W  S  T  A  V  E  F  C  K  K
     K  S  C  P  N  P  G  E  I  R  N  G  Q  I  D  V  P  G  G  I  L
     F  G  A  T  I  S  F  S  C  N  T  G  Y  K  L  F  G  S  T  S  S
     F  C  L  I  S  G  S  S  V  Q  W  S  D  P  L  P  E  C  R  E  I
     Y  C  P  A  P  P  Q  I  D  N  G  I  I  Q  G  E  R  D  H  Y  G
     Y  R  Q  S  V  T  Y  A  C  N  K  G  F  T  M  I  G  E  H  S  I
     Y  C  T  V  N  N  D  E  G  E  W  S  G  P  P  P  E  C
     S  S  P  N  K  C  T  P  P  N  V  E  N  G  I  L  V  S  D  N
     R  S  L  F  S  L  N  E  V  V  E  F  R  C  Q  P  G  F  V  M
     K  G  P  R  R  V  K  C  Q  A  L  N  K  W  E  P  E  L  P  S
     C  S  R  V  C  Q  P  P  P  D  V  L  H  A  E  R  T  Q  R  D
     K  D  N  F  S  P  G  Q  E  V  F  Y  S  C  E  P  G  Y  D  L
     R  G  A  A  S  M  R  C  T  P  Q  G  D  W  S  P  A  A  P  T
     C  E  V  K  S  C  D  D  F  M  G  Q  L  L  N  G  R  V  L  F
     P  V  N  L  Q  L  G  A  K  V  D  F  V  C  D  E  G  F  Q  L
     K  G  S  S  A  S  Y  C  V  L  A  G  M  E  S  L  W  N  S  S
     V  P  V  C  E  Q  I  F  C  P  S  P  P  V  I  P  N  G  R  H
     T  G  K  P  L  E  V  F  P  F  G  K  A  V  N  Y  T  C  D  P
     H  P  D  R  G  T  S  F  D  L  I  G  E  S  T  I  R  C  T  S
     D  P  Q  G  N  G  V  W  S  S  P  A  P  R  C  G  I  L  G  H
     C  Q  A  P  D  H  F  L  F  A  K  L  K  T  Q  T  N  A  S  D
     F  P  I  G  T  S  L  K  Y  E  C  R  P  E  Y  Y  G  R  P  F
     S  I  T  C  L  D  N  L  V  W  S  S  P  K  D  V  C  K  R  K
     S  C  K  T  P  P  D  P  V  N  G  M  V  H  V  I  T  D  I  Q
     V  G  S  R  I  N  Y  S  C  T  T  G  H  R  L  I  G  H  S  S
     A  E  C  I  L  S  G  N  A  A  H  W  S  T  K  P  P  I  C  Q
     R  I  P  C  G  L  P  P  T  I  A  N  G  D  F  I  S  T  N  R
     E  N  F  H  Y  G  S  V  V  T  Y  R  C  N  P  G  S  G  G  R
     K  V  F  E  L  V  G  E  P  S  I  Y  C  T  S  N  D  D  Q  V
     G  I  W  S  G  P  A  P  Q  C  I  I  P  N  K  C  T  P  P  N
```

```
V  E  N  G  I  L  V  S  D  N  R  S  L  F  S  L  N  E  V  V
E  F  R  C  Q  P  G  F  V  M  K  G  P  R  R  V  K  C  Q  A
L  N  K  W  E  P  E  L  P  S  C  S  R  V  C  Q  P  P  P  D
V  L  H  A  E  R  T  Q  R  D  K  D  N  F  S  P  G  Q  E  V
F  Y  S  C  E  P  G  Y  D  L  R  G  A  A  S  M  R  C  T  P
Q  G  D  W  S  P  A  A  P  T  C  E  V  K  S  C  D  D  F  M
G  Q  L  L  N  G  R  V  L  F  P  V  N  L  Q  L  G  A  K  V
D  F  V  C  D  E  G  F  Q  L  K  G  S  S  A  S  Y  C  V  L
A  G  M  E  S  L  W  N  S  S  V  P  V  C  E  Q  I  F  C  P
S  P  P  V  I  P  N  G  R  H  T  G  K  P  L  E  V  F  P  F
G  K  A  V  N  Y  T  C  D  P  H  P  D  R  G  T  S  F  D  L
I  G  E  S  T  I  R  C  T  S  D  P  Q  G  N  G  V  W  S  S
P  A  P  R  C  G  I  L  G  H  C  Q  A  P  D  H  F  L  F  A
K  L  K  T  Q  T  N  A  S  D  F  P  I  G  T  S  L  K  Y  E
C  R  P  E  Y  Y  G  R  P  F  S  I  T  C  L  D  N  L  V  W
S  S  P  K  D  V  C  K  R  K  S  C  K  T  P  P  D  P  V  N
G  M  V  H  V  I  T  D  I  Q  V
G  S  R  I  N  Y  S  C  T  T  G  H  R  L  I  G  H  S  S
A  E  C  I  L  S  G  N  A  A  H  W  S  T  K  P  P  I  C  Q
R  I  P  C  G  L  P  P  T  I  A  N  G  D  F  I  S  T  N  R
E  N  F  H  Y  G  S  V  V  T  Y  R  C  N  P  G  S  G  G  R
K  V  F  E  L  V  G  E  P  S  I  Y  C  T  S  N  D  D  Q  V
G  I  W  S  G  P  A  P  Q  C  I  I  P  N  K  C  T  P  P  N
V  E  N  G  I  L  V  S  D  N  R  S  L  F  S  L  N  E  V  V
E  F  R  C  Q  P  G  F  V  M  K  G  P  R  R  V  K  C  Q  A
L  N  K  W  E  P  E  L  P  S  C  S  R  V  C  Q  P  P  P  D
V  L  H  A  E  R  T  Q  R  D  K  D  N  F  S  P  G  Q  E  V
F  Y  S  C  E  P  G  Y  D  L  R  G  A  A  S  M  R  C  T  P
Q  G  D  W  S  P  A  A  P  T  C  E  V  K  S  C  D  D  F  M
G  Q  L  L  N  G  R  V  L  F  P  V  N  L  Q  L  G  A  K  V
D  F  V  C  D  E  G  F  Q  L  K  G  S  S  A  S  Y  C  V  L
A  G  M  E  S  L  W  N  S  S  V  P  V  C  E  Q  I  F  C  P
S  P  P  V  I  P  N  G  R  H  T  G  K  P  L  E  V  F  P  F
G  K  A  V  N  Y  T  C  D  P  H  P  D  R  G  T  S  F  D  L
I  G  E  S  T  I  R  C  T  S  D  P  Q  G  N  G  V  W  S  S
P  A  P  R  C  G  I  H  H  H  H  H  H
```

Fig. 9A (Cont.)

Fig 9B

SEQ. ID NO:16

```
                    ATGACCGTCGCGCGGCCGAGCGTGCCCGCGGCGCTGCCC
CTCCTCGGGGAGCTGCCCCGGCTGCTGCTGCTGGTGCTGTTGTGCCTGCCGGCCGTGTGGGGT
GACTGTGGCCTTCCCCCAGATGTACCTAATGCCCAGCCAGCTTTGGAAGGCCGTACAAGTTTT
CCCGAGGATACTGTAATAACGTACAAATGTGAAGAAAGCTTTGTGAAAATTCCTGGCGAGAAG
GACTCAGTGATCTGCCTTAAGGGCAGTCAATGGTCAGATATTGAAGAGTTCTGCAATCGTAGC
TGCGAGGTGCCAACAAGGCTAAATTCTGCATCCCTCAAACAGCCTTATATCACTCAGAATTAT
TTTCCAGTCGGTACTGTTGTGGAATATGAGTGCCGTCCAGGTTACAGAAGAGAACCTTCTCTA
```

TCACCAAAACTAACTTGCCTTCAGAATTTAAAATGGTCCACAGCAGTCGAATTTTGTAAAAAG
AAATCATGCCCTAATCCGGGAGAAATACGAAATGGTCAGATTGATGTACCAGGTGGCATATTA
TTTGGTGCAACCATCTCCTTCTCATGTAACACAGGGTACAAATTATTTGGCTCGACTTCTAGT
TTTTGTCTTATTTCAGGCAGCTCTGTCCAGTGGAGTGACCCGTTGCCAGAGTGCAGAGAAATT
TATTGTCCAGCACCACCACAAATTGACAATGGAATAATTCAAGGGGAACGTGACCATTATGGA
TATAGACAGTCTGTAACGTATGCATGTAATAAAGGATTCACCATGATTGGAGAGCACTCTATT
TATTGTACTGTGAATAATGATGAAGGAGAGTGGAGTGGCCCACCACCTGAATG<u>C</u>
<u>TCGAGTCCTAACAAATGCACGCCTCCAAATGTGGAAAATGGAATATTGGTATCTGACAAC</u>
AGAAGCTTATTTTCCTTAAATGAAGTTGTGGAGTTTAGGTGTCAGCCTGGCTTTGTCATG
AAAGGACCCCGCCGTGTGAAGTGCCAGGCCCTGAACAAATGGGAGCCGGAGCTACCAAGC
TGCTCCAGGGTATGTCAGCCACCTCCAGATGTCCTGCATGCTGAGCGTACCCAAAGGGAC
AAGGACAACTTTTCACCTGGGCAGGAAGTGTTCTACAGCTGTGAGCCCGGCTACGACCTC
AGAGGGGCTGCGTCTATGCGCTGCACACCCCAGGGAGACTGGAGCCCTGCAGCCCCCACA
TGTGAAGTGAAATCCTGTGATGACTTCATGGGCCAACTTCTTAATGGCCGTGTGCTATTT
CCAGTAAATCTCCAGCTTGGAGCAAAAGTGGATTTTGTTTGTGATGAAGGATTTCAATTA
AAAGGCAGCTCTGCTAGTTACTGTGTCTTGGCTGGAATGGAAAGCCTTTGGAATAGCAGT
GTTCCAGTGTGTGAACAAATCTTTTGTCCAAGTCCTCCAGTTATTCCTAATGGGAGACAC
ACAGGAAAACCTCTGGAAGTCTTTCCCTTTGGAAAAGCAGTAAATTACACATGCGACCCC
CACCCAGACAGAGGGACGAGCTTCGACCTCATTGGAGAGAGCACCATCCGCTGCACAAGT
GACCCTCAAGGGAATGGGGTTTGGAGCAGCCCTGCCCCTCGCTGTGG<u>AATTC</u>TGGGTCAC
TGTCAAGCCCCAGATCATTTTCTGTTTGCCAAGTTGAAAACCCAAACC<u>AATGCATC</u>TGAC
TTTCCCATTGGGACATCTTTAAAGTACGAATGCCGTCCTGAGTACTACGGGAGGCCATTC
TCTATCACATGTCTAGATAACCTGGTCTGGTCAAGTCCCAAAGATGTCTGTAAACGTAAA
TCATGTAAAACTCCTCCAGATCCAGTGAATGGCATGGTGCATGTGATCACAGACATCCAG
GTT<u>GGATCC</u>AGAATCAACTATTCTTGTACTACAGGGCACCGACTCATTGGTCACTCATCT
GCTGAATGTATCCTCTCGGGCAATGCTGCCCATTGGAGCACGAAGCCGCCAATTTGTCAA
CGAATTCCTTGTGGGCTACCCCCCACCATCGCCAATGGAGATTTCATTAGCACCAACAGA
GAGAATTTTCACTATGGATCAGTGGTGACCTACCGCTGCAATCCTGGAAGCGGAGGGAGA
AAGGTGTTTGAGCTTGTGGGTGAGCCCTCCATATACTGCACCAGCAATGACGATCAAGTG
GGCATCTGGAGCGGCCCGGCCCCTCAGTGCATTATACCTAACAAATGCACGCCTCCAAAT
GTGGAAAATGGAATATTGGTATCTGACAACAGAAGCTTATTTTCCTTAAATGAAGTTGTG
GAGTTTAGGTGTCAGCCTGGCTTTGTCATGAAAGGACCCCGCCGTGTGAAGTGCCAGGCC
CTGAACAAATGGGAGCCGGAGCTACCAAGCTGCTCCAGGGTATGTCAGCCACCTCCAGAT
GTCCTGCATGCTGAGCGTACCCAAAGGGACAAGGACAACTTTTCACCCGGGCAGGAAGTG
TTCTACAGCTGTGAGCCCGGCTATGACCTCAGAGGGGCTGCGTCTATGCGCTGCACACCC
CAGGGAGACTGGAGCCCTGCAGCCCCCACATGTGAAGTGAAATCCTGTGATGACTTCATG
GGCCAACTTCTTAATGGCCGTGTGCTATTTCCAGTAAATCTCCAGCTTGGAGCAAAAGTG
GATTTTGTTTGTGATGAAGGATTTCAATTAAAAGGCAGCTCTGCTAGTTATTGTGTCTTG
GCTGGAATGGAAAGCCTTTGGAATAGCAGTGTTCCAGTGTG<u>T</u>GAACAAATCTTTTGTCCA
AGTCCTCCAGTTATTCCTAATGGGAGACACACAGGAAAACCTCTGGAAGTCTTTCCCTTT
GGAAAAGCAGTAAATTACACATGCGACCCCCACCCAGACAGAGGGACGAGCTTCGACCTC
ATTGGAGAGAGCACCATCCGCTGCACAAGTGACCCTCAAGGGAATGGGGTTTGGAGCAGC
CCTGCCCCTCGCTGTGG<u>AATTC</u>TGGGTCACTGTCAAGCCCCAGATCATTTTCTGTTTGCC
AAGTTGAAAACCCAAACC<u>AATGCATC</u>TGACTTTCCCATTGGGACATCTTTAAAGTACGAA
TGCCGTCCTGAGTACTACGGGAGGCCATTCTCTATCACATGTCTAGATAACCTGGTCTGG
TCAAGTCCCAAAGATGTCTGTAAACGTAAATCATGTAAAACTCCTCCAGATCCAGTGAAT
GGCATGGTGCATGTGATCACAGACATCCAGGTT
<u>GGATCC</u>AGAATCAACTATTCTTGTACTACAGGGCACCGACTCATTGGTCACTCATCT
GCTGAATGTATCCTCTCGGGCAATGCTGCCCATTGGAGCACGAAGCCGCCAATTTGTCAA
CGAATTCCTTGTGGGCTACCCCCCACCATCGCCAATGGAGATTTCATTAGCACCAACAGA
GAGAATTTTCACTATGGATCAGTGGTGACCTACCGCTGCAATCCTGGAAGCGGAGGGAGA

Fig. 9B (Cont.)

```
R  S  L  F  S  L  N  E  V  V  E  F  R  C  Q  P  G  F  V  M
K  G  P  R  R  V  K  C  Q  A  L  N  K  W  E  P  E  L  P  S
C  S  R  V  C  Q  P  P  P  D  V  L  H  A  E  R  T  Q  R  D
K  D  N  F  S  P  G  Q  E  V  F  Y  S  C  E  P  G  Y  D  L
R  G  A  A  S  M  R  C  T  P  Q  G  D  W  S  P  A  A  P  T
C  E  V  K  S  C  D  D  F  M  G  Q  L  L  N  G  R  V  L  F
P  V  N  L  Q  L  G  A  K  V  D  F  V  C  D  E  G  F  Q  L
K  G  S  S  A  S  Y  C  V  L  A  G  M  E  S  L  W  N  S  S
V  P  V  C  E  Q  I  F  C  P  S  P  P  V  I  P  N  G  R  H
T  G  K  P  L  E  V  F  P  F  G  K  A  V  N  Y  T  C  D  P
H  P  D  R  G  T  S  F  D  L  I  G  E  S  T  I  R  C  T  S
D  P  Q  G  N  G  V  W  S  S  P  A  P  R  C  G  I  L
V  E  S  K  Y  G  P  P  C  P  S  C  P  A  P  E  F  L
G  G  P  S  V  F  L  F  P  P  K  P  K  D  T  L  M  I  S  R
T  P  E  V  T  C  V  V  V  D  V  S  Q  E  D  P  E  V  Q  F
N  W  Y  V  D  G  V  E  V  H  N  A  K  T  K  P  R  E  E  Q
F  N  S  T  Y  R  V  V  S  V  L  T  V  L  H  Q  D  W  L  N
G  K  E  Y  K  C  K  V  S  N  K  G  L  P  S  S  I  E  K  T
I  S  K  A  K  G  Q  P  R  E  P  Q  V  Y  T  L  P  P  S  Q
E  E  M  T  K  N  Q  V  S  L  T  C  L  V  K  G  F  Y  P  S
D  I  A  V  E  W  E  S  N  G  Q  P  E  D  N  Y  K  T  T  P
P  V  L  D  S  D  G  S  F  F  L  Y  S  R  L  T  V  D  K  S
R  W  Q  E  G  N  V  F  S  C  S  V  M  H  E  A  L  H  N  H
Y  T  Q  K  S  L  S  L  S  P  G  K
```

Fig. 11A (Cont.)

Fig. 11B
SEQ. ID NO:20

```
                 ATGACCGTCGCGCGGCCGAGCGTGCCCGCGGCGCTGCCC
CTCCTCGGGGAGCTGCCCCGGCTGCTGCTGCTGGTGCTGTTGTGCCTGCCGGCCGTGTGGGGT
GACTGTGGCCTTCCCCCAGATGTACCTAATGCCCAGCCAGCTTTGGAAGGCCGTACAAGTTTT
CCCGAGGATACTGTAATAACGTACAAATGTGAAGAAAGCTTTGTGAAAATTCCTGGCGAGAAG
GACTCAGTGATCTGCCTTAAGGGCAGTCAATGGTCAGATATTGAAGAGTTCTGCAATCGTAGC
TGCGAGGTGCCAACAAGGCTAAATTCTGCATCCCTCAAACAGCCTTATATCACTCAGAATTAT
TTTCCAGTCGGTACTGTTGTGGAATATGAGTGCCGTCCAGGTTACAGAAGAGAACCTTCTCTA
TCACCAAAACTAACTTGCCTTCAGAATTTAAAATGGTCCACAGCAGTCGAATTTTGTAAAAAG
AAATCATGCCCTAATCCGGGAGAAATACGAAATGGTCAGATTGATGTACCAGGTGGCATATTA
TTTGGTGCAACCATCTCCTTCTCATGTAACACAGGGTACAAATTATTTGGCTCGACTTCTAGT
TTTTGTCTTATTTCAGGCAGCTCTGTCCAGTGGAGTGACCCGTTGCCAGAGTGCAGAGAAATT
TATTGTCCAGCACCACCACAAATTGACAATGGAATAATTCAAGGGAACGTGACCATTATGGA
TATAGACAGTCTGTAACGTATGCATGTAATAAAGGATTCACCATGATTGGAGAGCACTCTATT
TATTGTACTGTGAATAATGATGAAGGAGAGTGGAGTGGCCCACCACCTGAATGC
TCGAGTCCTAACAAATGCACGCCTCCAAATGTGGAAAATGGAATATTGGTATCTGACAAC
AGAAGCTTATTTTCCTTAAATGAAGTTGTGGAGTTTAGGTGTCAGCCTGGCTTTGTCATG
AAAGGACCCCGCCGTGTGAAGTGCCAGGCCCTGAACAAATGGGAGCCGGAGCTACCAAGC
TGCTCCAGGGTATGTCAGCCACCTCCAGATGTCCTGCATGCTGAGCGTACCCAAAGGGAC
AAGGACAACTTTTCACCTGGGCAGGAAGTGTTCTACAGCTGTGAGCCCGGCTACGACCTC
```

AGAGGGGCTGCGTCTATGCGCTGCACACCCCAGGGAGACTGGAGCCCTGCAGCCCCCACA
TGTGAAGTGAAATCCTGTGATGACTTCATGGGCCAACTTCTTAATGGCCGTGTGCTATTT
CCAGTAAATCTCCAGCTTGGAGCAAAAGTGGATTTTGTTTGTGATGAAGGATTTCAATTA
AAAGGCAGCTCTGCTAGTTACTGTGTCTTGGCTGGAATGGAAAGCCTTTGGAATAGCAGT
GTTCCAGTGTGTGAACAAATCTTTTGTCCAAGTCCTCCAGTTATTCCTAATGGGAGACAC
ACAGGAAAACCTCTGGAAGTCTTTCCCTTTGGAAAAGCAGTAAATTACACATGCGACCCC
CACCCAGACAGAGGGACGAGCTTCGACCTCATTGGAGAGAGCACCATCCGCTGCACAAGT
GACCCTCAAGGGAATGGGGTTTGGAGCAGCCCTGCCCCTCGCTGTG<u>GAATTCTG</u>
GTTGAGTCCAAATATGGTCCCCCATGCCCATCATGCCCAGCACCTGAGTTCCTG
GGGGGACCATCAGTCTTCCTGTTCCCCCCAAAACCCAAGGACACTCTCATGATCTCCCGG
ACCCCTGAGGTCACGTGCGTGGTGGTGGACGTGAGCCAGGAAGACCCCGAGGTCCAGTTC
AACTGGTACGTGGATGGCGTGGAGGTGCATAATGCCAAGACAAAGCCGCGGGAGGAGCAG
TTCAACAGCACGTACCGTGTGGTCAGCGTCCTCACCGTCCTGCACCAGGACTGGCTGAAC
GGCAAGGAGTACAAGTGCAAGGTCTCCAACAAAGGCCTCCCGTCCTCCATCGAGAAAACC
ATCTCCAAAGCCAAAGGGCAGCCCCGAGAGCCACAGGTGTACACCCTGCCCCCATCCCAG
GAGGAGATGACCAAGAACCAGGTCAGCCTGACCTGCCTGGTCAAAGGCTTCTACCCCAGC
GACATCGCCGTGGAGTGGGAGAGCAATGGGCAGCCGGAGGACAACTACAAGACCACGCCT
CCCGTGCTGGACTCCGACGGCTCCTTCTTCCTCTACAGCAGGCTAACCGTGGACAAGAGC
AGGTGGCAGGAGGGGAATGTCTTCTCATGCTCCGTGATGCATGAGGCTCTGCACAACCAC
TACACACAGAAGAGCCTCTCCCTGTCTCCGGGTAAATGATAA<u>AGATCT</u>

Fig. 11B (Cont.)

Fig. 12A
SEQ. ID NO:21
ATA TAC GAA TTC TGG GTC ACT GTG AGG AGC CAC CAA CAT TTG AAG C

Fig. 12B
SEQ. ID NO:22
ACA GTG AGA TCT TTA GTG ATG GTG ATG GTG ATG CGA CAC TTT AAG ACA CTT
TGG AAC

Fig. 13A
SEQ. ID NO:23

M	T	V	A	R	P	S	V	P	A	A	L	P				
L	L	G	E	L	P	R	L	L	L	L	V	L	L	C	L	P	A	V	W	G
D	C	G	L	P	P	D	V	P	N	A	Q	P	A	L	E	G	R	T	S	F
P	E	D	T	V	I	T	Y	K	C	E	E	S	F	V	K	I	P	G	E	K
D	S	V	I	C	L	K	G	S	Q	W	S	D	I	E	E	F	C	N	R	S
C	E	V	P	T	R	L	N	S	A	S	L	K	Q	P	Y	I	T	Q	N	Y
F	P	V	G	T	V	V	E	Y	E	C	R	P	G	Y	R	R	E	P	S	L
S	P	K	L	T	C	L	Q	N	L	K	W	S	T	A	V	E	F	C	K	K
K	S	C	P	N	P	G	E	I	R	N	G	Q	I	D	V	P	G	G	I	L
F	G	A	T	I	S	F	S	C	N	'T	G	Y	K	L	F	G	S	T	S	S
F	C	L	I	S	G	S	S	V	Q	W	S	D	P	L	P	E	C	R	E	I

```
Y  C  P  A  P  P  Q  I  D  N  G  I  I  Q  G  E  R  D  H  Y  G
Y  R  Q  S  V  T  Y  A  C  N  K  G  F  T  M  I  G  E  H  S  I
Y  C  T  V  N  N  D  E  G  E  W  S  G  P  P  P  E  C
S  S  P  N  K  C  T  P  P  N  V  E  N  G  I  L  V  S  D  N
R  S  L  F  S  L  N  E  V  V  E  F  R  C  Q  P  G  F  V  M
K  G  P  R  R  V  K  C  Q  A  L  N  K  W  E  P  E  L  P  S
C  S  R  V  C  Q  P  P  P  D  V  L  H  A  E  R  T  Q  R  D
K  D  N  F  S  P  G  Q  E  V  F  Y  S  C  E  P  G  Y  D  L
R  G  A  A  S  M  R  C  T  P  Q  G  D  W  S  P  A  A  P  T
C  E  V  K  S  C  D  D  F  M  G  Q  L  L  N  G  R  V  L  F
P  V  N  L  Q  L  G  A  K  V  D  F  V  C  D  E  G  F  Q  L
K  G  S  S  A  S  Y  C  V  L  A  G  M  E  S  L  W  N  S  S
V  P  V  C  E  Q  I  F  C  P  S  P  P  V  I  P  N  G  R  H
T  G  K  P  L  E  V  F  P  F  G  K  A  V  N  Y  T  C  D  P
H  P  D  R  G  T  S  F  D  L  I  G  E  S  T  I  R  C  T  S
D  P  Q  G  N  G  V  W  S  S  P  A  P  R  C  G  I  L  G  H
C  E  E  P  P  T  F  E  A  M  E  L  I  G  K  P  K  P  Y  Y
E  I  G  E  R  V  D  Y  K  C  K  K  G  Y  F  Y  I  P  P  L
A  T  H  T  I  C  D  R  N  H  T  W  L  P  V  S  D  D  A  C
Y  R  E  T  C  P  Y  I  R  D  P  L  N  G  Q  A  V  P  A  N
G  T  Y  E  F  G  Y  Q  M  H  F  I  C  N  E  G  Y  Y  L  I
G  E  E  I  L  Y  C  E  L  K  G  S  V  A  I  W  S  G  K  P
P  I  C  E  K  V  L  C  T  P  P  P  K  I  K  N  G  K  H  T
F  S  E  V  E  V  F  E  Y  L  D  A  V  T  Y  S  C  D  P  A
P  G  P  D  P  F  S  L  I  G  E  S  T  I  Y  C  G  D  N  S
V  W  S  R  A  A  P  E  C  K  V  V  K  C  R  F  P  V  V  E
N  G  K  Q  I  S  G  F  G  K  K  F  Y  Y  K  A  T  V  M  F
E  C  D  K  G  F  Y  L  D  G  S  D  T  I  V  C  D  S  N  S
T  W  D  P  P  V  P  K  C  L  K     V  S     H  H  H  H  H  H
```

Fig. 13A (Cont.)

Fig. 13B

SEQ. ID NO:24

```
ATGACCGTCGCGCGGCCGAGCGTGCCCGCGGCGCTGCCC
CTCCTCGGGGAGCTGCCCCGGCTGCTGCTGCTGGTGCTGTTGTGCCTGCCGGCCGTGTGGGGT
GACTGTGGCCTTCCCCCAGATGTACCTAATGCCCAGCCAGCTTTGGAAGGCCGTACAAGTTTT
CCCGAGGATACTGTAATAACGTACAAATGTGAAGAAAGCTTTGTGAAAATTCCTGGCGAGAAG
GACTCAGTGATCTGCCTTAAGGGCAGTCAATGGTCAGATATTGAAGAGTTCTGCAATCGTAGC
TGCGAGGTGCCAACAAGGCTAAATTCTGCATCCCTCAAACAGCCTTATATCACTCAGAATTAT
TTTCCAGTCGGTACTGTTGTGGAATATGAGTGCCGTCCAGGTTACAGAAGAGAACCTTCTCTA
TCACCAAAACTAACTTGCCTTCAGAATTTAAAATGGTCCACAGCAGTCGAATTTTGTAAAAAG
AAATCATGCCCTAATCCGGGAGAAATACGAAATGGTCAGATTGATGTACCAGGTGGCATATTA
TTTGGTGCAACCATCTCCTTCTCATGTAACACAGGGTACAAATTATTTGGCTCGACTTCTAGT
TTTTGTCTTATTTCAGGCAGCTCTGTCCAGTGGAGTGACCCGTTGCCAGAGTGCAGAGAAATT
TATTGTCCAGCACCACCACAAATTGACAATGGAATAATTCAAGGGGAACGTGACCATTATGGA
TATAGACAGTCTGTAACGTATGCATGTAATAAAGGATTCACCATGATTGGAGAGCACTCTATT
TATTGTACTGTGAATAATGATGAAGGAGAGTGGAGTGGCCCACCACCTGAATGC
TCGAGTCCTAACAAATGCACGCCTCCAAATGTGGAAAATGGAATATTGGTATCTGACAAC
AGAAGCTTATTTTCCTTAAATGAAGTTGTGGAGTTTAGGTGTCAGCCTGGCTTTGTCATG
```

AAAGGACCCCGCCGTGTGAAGTGCCAGGCCCTGAACAAATGGGAGCCGGAGCTACCAAGC
TGCTCCAGGGTATGTCAGCCACCTCCAGATGTCCTGCATGCTGAGCGTACCCAAAGGGAC
AAGGACAACTTTTCACCTGGGCAGGAAGTGTTCTACAGCTGTGAGCCCGGCTACGACCTC
AGAGGGGCTGCGTCTATGCGCTGCACACCCCAGGGAGACTGGAGCCCTGCAGCCCCCACA
TGTGAAGTGAAATCCTGTGATGACTTCATGGGCCAACTTCTTAATGGCCGTGTGCTATTT
CCAGTAAATCTCCAGCTTGGAGCAAAAGTGGATTTTGTTTGTGATGAAGGATTTCAATTA
AAAGGCAGCTCTGCTAGTTACTGTGTCTTGGCTGGAATGGAAAGCCTTTGGAATAGCAGT
GTTCCAGTGTGTGAACAAATCTTTTGTCCAAGTCCTCCAGTTATTCCTAATGGGAGACAC
ACAGGAAAACCTCTGGAAGTCTTTCCCTTTGGAAAAGCAGTAAATTACACATGCGACCCC
CACCCAGACAGAGGGACGAGCTTCGACCTCATTGGAGAGAGCACCATCCGCTGCACAAGT
GACCCTCAAGGGAATGGGGTTTGGAGCAGCCCTGCCCCTCGCTGTGGAATTCTGGGTCAC
TGTGAGGAGCCACCAACATTTGAAGCTATGGAGCTCATTGGTAAACCAAAACCCTACTAT
GAGATTGGTGAACGAGTAGATTATAAGTGTAAAAAAGGATACTTCTATATACCTCCTCTT
GCCACCCATACTATTTGTGATCGGAATCATACATGGCTACCTGTCTCAGATGACGCCTGT
TATAGAGAAACATGTCCATATATACGGGATCCTTTAAATGGCCAAGCAGTCCCTGCAAAT
GGGACTTACGAGTTTGGTTATCAGATGCACTTTATTTGTAATGAGGGTTATTACTTAATT
GGTGAAGAAATTCTATATTGTGAACTTAAAGGATCAGTAGCAATTTGGAGCGGTAAGCCC
CCAATATGTGAAAAGGTTTTGTGTACACCACCTCCAAAAATAAAAAATGGAAAACACACC
TTTAGTGAAGTAGAAGTATTTGAGTATCTTGATGCAGTAACTTATAGTTGTGATCCTGCA
CCTGGACCAGATCCATTTTCACTTATTGGAGAGAGCACGATTTATTGTGGTGACAATTCA
GTGTGGAGTCGTGCTGCTCCAGAGTGTAAAGTGGTCAAATGTCGATTTCCAGTAGTCGAA
AATGGAAAACAGATATCAGGATTTGGAAAAAAATTTTACTACAAAGCAACAGTTATGTTT
GAATGCGATAAGGGTTTTTACCTCGATGGCAGCGACACAATTGTCTGTGACAGTAACAGT
ACTTGGGATCCCCCAGTTCCAAAGTGTCTTAAA//GTGTCG//CATCACCATCACCATCAC
TAAAGATCT

Fig. 13B (Cont.)